

# U. S. STEEL – MINNTAC SWPP PLAN

## WORKSHEET 5

### Significant Spills and Leaks of Toxic or Hazardous Materials

Material Released	Estimated Volume Released	Location of Release	Date of Release	Remediation/ Clean-up Measures	Corrective Actions to Prevent Recurrence
Water/Fuel Oil	Runoff	G Dump	2/08/91	Covered contaminated soil piles	Store on a flat and impervious surface
Hydraulic Oil	25 gallons	West Pit Costin Fill #37 Drill	2/08/91	Mined the area	Repaired the drill
Hydraulic Oil	25 gallons	West Pit East #29 Drill	2/25/91	Cleaned up oil in containment, removed contaminated soil for soil farming	Removed and repaired the damaged tank
Fuel Oil	10 gallons	East Pit Fueling Station	3/15/91	Used sorbents to pick up the oil, then incinerated the sorbents	Closed the AST permanently
Fuel Oil	10 gallons	AA Dump Fuel Station	5/30/91	---	Close valves when done using them
Calgon	15 gallons	Concentrator SH S 4 <sup>th</sup> Floor	6/27/91	Used sorbents and shoveled up the contaminated material	Fixed ruptured valve
Fuel Oil	200 gallons/ 100 CY contaminated soil	Big Tank (Trench) MIFA-31	6/29/91	Used and incinerated sorbents. Also incinerated the soil	Trucking firm maintains the trucks
Fuel Oil	500 gallons	65 Ramp #561 Truck	7/12/91	Pumped out free product and mined the area	A permanent backstop was installed
Fuel Oil	10 gallons	Agglomerator Step II, MIFA-25	8/9/91	---	Valve was repaired
Fuel Oil	500 gallons	Big Tank (Trench) MIFA-31	8/12/91	Used and incinerated sorbents. Also incinerated the soil	Trucking firm maintains the trucks
Motor Oil	60 CY contaminated soil	East Pit #80 Ramp MIDA-151	8/20/91	The soil was incinerated	The AST was removed
Fuel Oil	1 gallon	West Pit #65 Tank	9/13/91	The area was mined	The valve was patched and repaired
Fuel Oil	20 gallons	West Pit #65 Tank	10/4/91	The area was mined	The hose was repaired
Fuel Oil	50 gallons	East Pit Fuel Station	10/5/91	Sorbents were used, then incinerated	The valve was repaired
Hydraulic Oil/Fuel Oil	40 gallons/250 gallons	West Pit, Far West #564 Truck	10/6/91	Sorbents were used, then incinerated	---
Waste Oil	25 gallons	Auto Shop	10/9/91	Sorbents were used, then incinerated	A procedure to pump the AST regularly was established

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Material Released	Estimated Volume Released	Location of Release	Date of Release	Remediation/ Clean-up Measures	Corrective Actions to Prevent Recurrence
Fuel Oil	300 gallons	Agglomerator Kiln Fuel Oil Storage MIFA-31	1/14/92	Sorbents were used, then incinerated	Drivers are to watch unloading procedures
Diesel	300 gallons	Train 3% Grade	1/29/92	---	---
Fuel Oil	---	Locomotive Shop West	4/13/92	Soil was excavated	Used sorbents under locomotive
Waste Oil	50 gallons	Auto Shop	4/23/92	Used and incinerated the Floor Dry absorbent	Repaired the fill indicator
VAR Oils	3 gallons	Peterson's Ball Park	7/8/92	---	Tanks were removed
Fuel Oil		Truck Control Dry	8/19/92	---	---
Non-PCB Oil		Substations	9/9/92	---	Will no longer be stored indoors
Fuel Oil		East Pit Fuel Station	10/16/92	---	---
Fuel Oil		Rock Dump Garage	10/16/92	---	---
Fuel Oil		MES Fuel Station	10/16/92	---	---
Fuel Oil		Rail Crane Barn	10/16/92	---	---
Fuel Oil		Cold Storage Bldg	10/16/92	---	---
Fuel Oil		Locomotive Fueling Station	10/16/92	---	---
Fuel Oil	160 CY Contaminated Soil	Mine Office UST	11/19/92	Excavated and stockpiled the soil	Removed the UST
Waste Oil	20 CY Contaminated Soil	Steam Room UST	11/20/92	Excavated and stockpiled the soil	Removed the UST
Fuel Oil	190 CY Contaminated Soil	Central Fuel Station UST	11/24/92	Excavated and stockpiled the soil	Removed the UST
Waste Oil	45 CY Contaminated Soil	Locomotive Shop UST	11/30/92	Excavated and stockpiled the soil	Removed the UST
Transmission Fluid	2 gallons	West Pit SE Corner #29 Drill	12/30/92	Mined the area	The hose was repaired
Hydraulic Fluid	0.5 gallons	Heavy Equipment Shop	2/2/93	Used and incinerated sorbents	No longer store filters outside
Waste Oil	5 CY Contaminated Soil	South Fines Crusher	2/4/93	Excavated and stockpiled the soil	Removed the UST
Grease	30 gallons	MES (Inside building on concrete)	2/28/93	---	---
ANFO	6000 lbs	West Pit	3/12/93	Used ANFO in blast pattern	Reinstructed the driver
Fuel Oil	200 gallons/ 550 CY	#65 Tank Nozzle	3/24/93	Excavated and stockpiled the soil	A new fuel station was constructed
Gear Oil	10 gallons/ 10 CY	Heavy Equipment Shop	4/1/93	Excavated and stockpiled the soil	Boxes are now drained before being stored
Lube Oil	10 gallons	West Pit #647 Tractor	4/3/93	Excavated and stockpiled the soil	---

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Material Released	Estimated Volume Released	Location of Release	Date of Release	Remediation/ Clean-up Measures	Corrective Actions to Prevent Recurrence
Hydraulic Oil	150 gallons	44 Dump	4/15/93	The area was mined	---
Lube Oil	15 gallons	West of #2 Coarse Crusher	4/26/93	Used and incinerated sorbents	---
Hydraulic Oil	20 gallons	West Pit Set Garage	5/4/93	Excavated and stockpiled the soil	---
Hydraulic Oil	15 gallons	Midwest Pit	5/5/93	Excavated and stockpiled the soil	---
Hydraulic Oil	50 gallons	Midwest Pit	5/6/93	Excavated and stockpiled the soil	---
Fuel Oil	300 gallons	East Pit	5/7/93	The area was mined	---
Fuel Oil	150 gallons	AA Fuel Station	5/14/93	Excavated and stockpiled the soil	---
Hydraulic Oil	100 gallons	East Pit #17 Shovel	5/17/93	The area was mined	---
Fuel Oil	500 gallons/42 CY	MES Fueling Station	5/21/93	Excavated and stockpiled the soil	---
Mobil 632	90 gallons	Coarse Crusher Step II	5/27/93	Used and incinerated sorbents	---
Steering Fluid	20 gallons	East Pit 40 Dump #570 Truck	5/30/93	Used and incinerated sorbents and the area was mined	---
Hydraulic Oil	30 gallons	East Pit 80 Ramp	6/4/93	Used and incinerated sorbents	---
Fuel Oil	---	East Pit Fueling Station	6/20/93	---	---
Fuel Oil	10 gallons	East Pit #490 Truck	7/6/93	Used and incinerated sorbents	---
Fuel Oil	600 gallons	East Pit #564 Truck	7/17/93	Excavated and stockpiled the soil	---
Hydraulic Oil	60 gallons	East Pit 80 Ramp	7/25/93	Used and incinerated sorbents	Redesigned to prevent recurrence
Flocculant	1.5 gallons	Cono 83	8/11/93	Used and incinerated sorbents	---
Hydraulic Oil	30 gallons	West Pit Lake 14	8/14/93	Used and incinerated sorbents	---

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